

# **E-Plex Design Manual**

## **GULFSTREAM**

**12345-6789**

ELogic Design: T45G-2.0-24SEPT07.elc

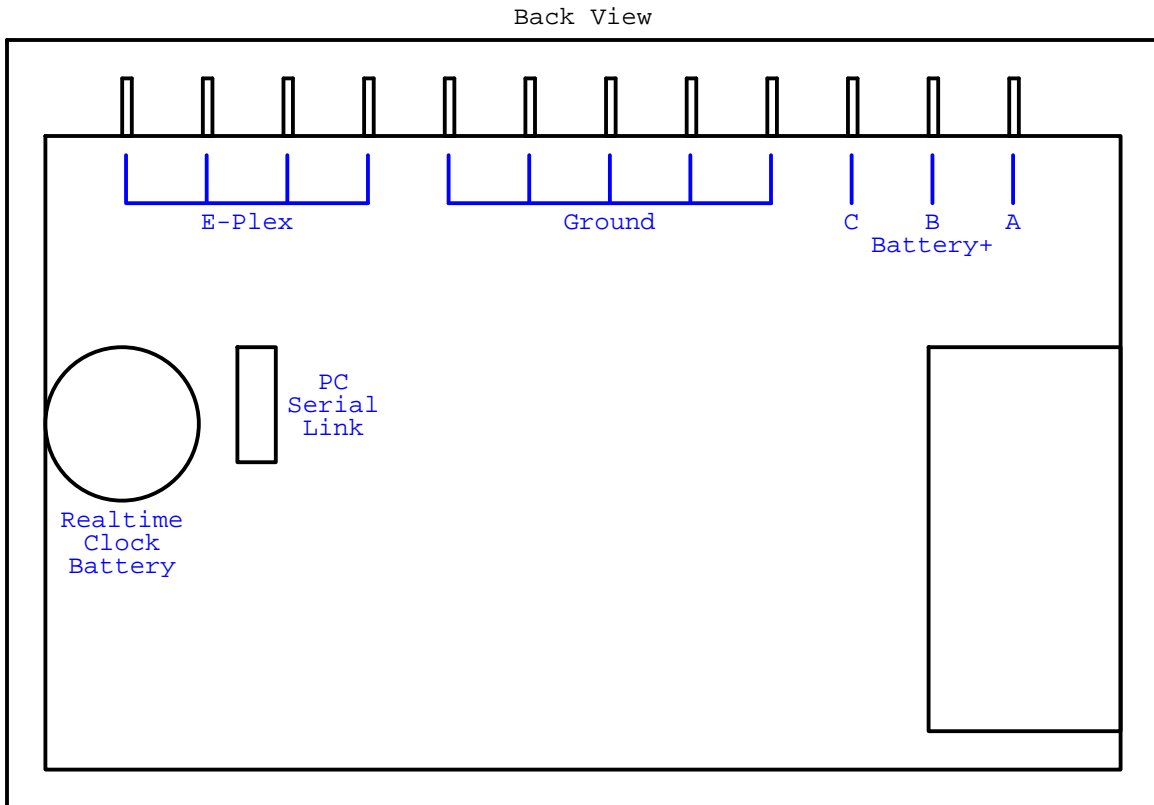
Issue: 1.0

ELogic Rev: v1.8.1

# Address: 10

400ECM  
E-Plex Clock Module

Location:

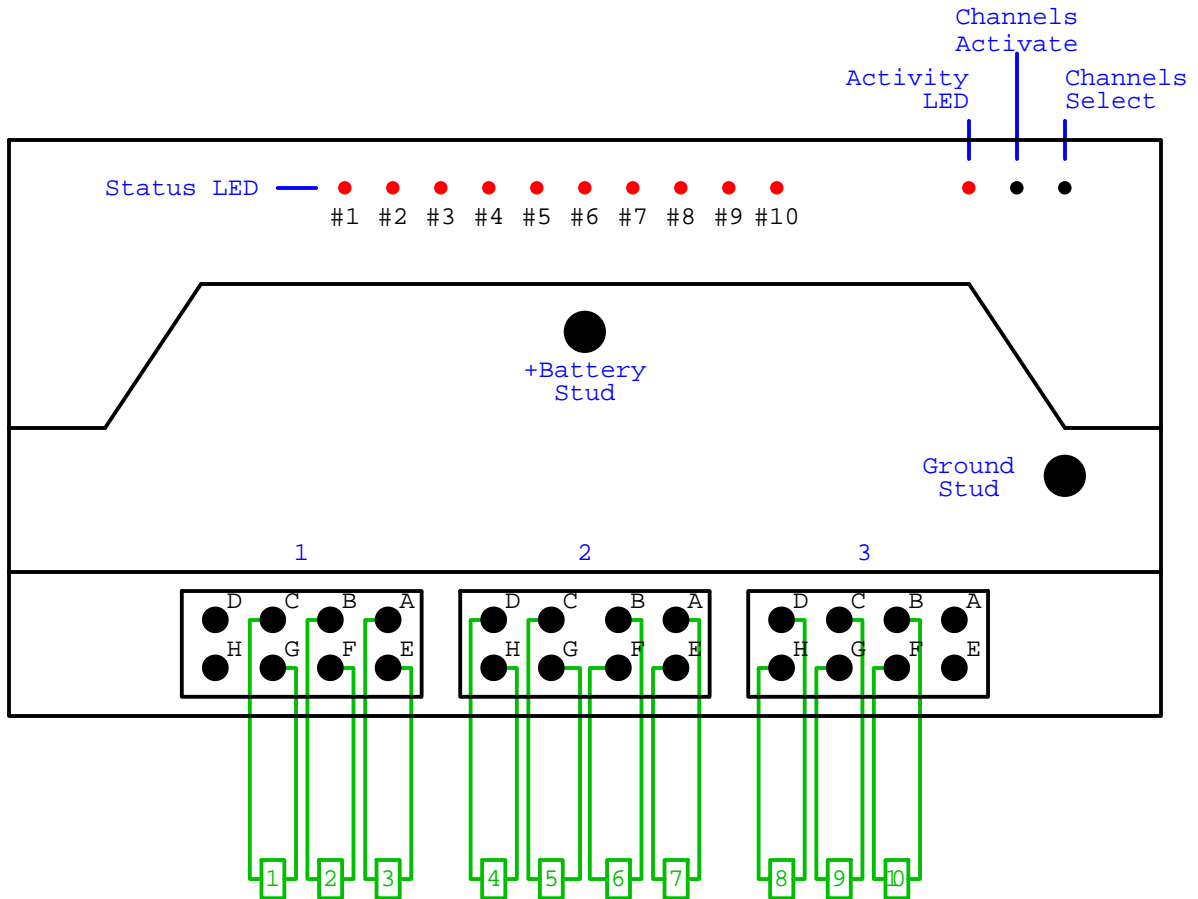


Clock will automatically take the highest voltage of A, B, or C and use that to supply the E-Plex signal. Clock battery connection should be fused at 5A.

# Address: 58

436MMX  
Multimodule x10

Location: KITCHEN

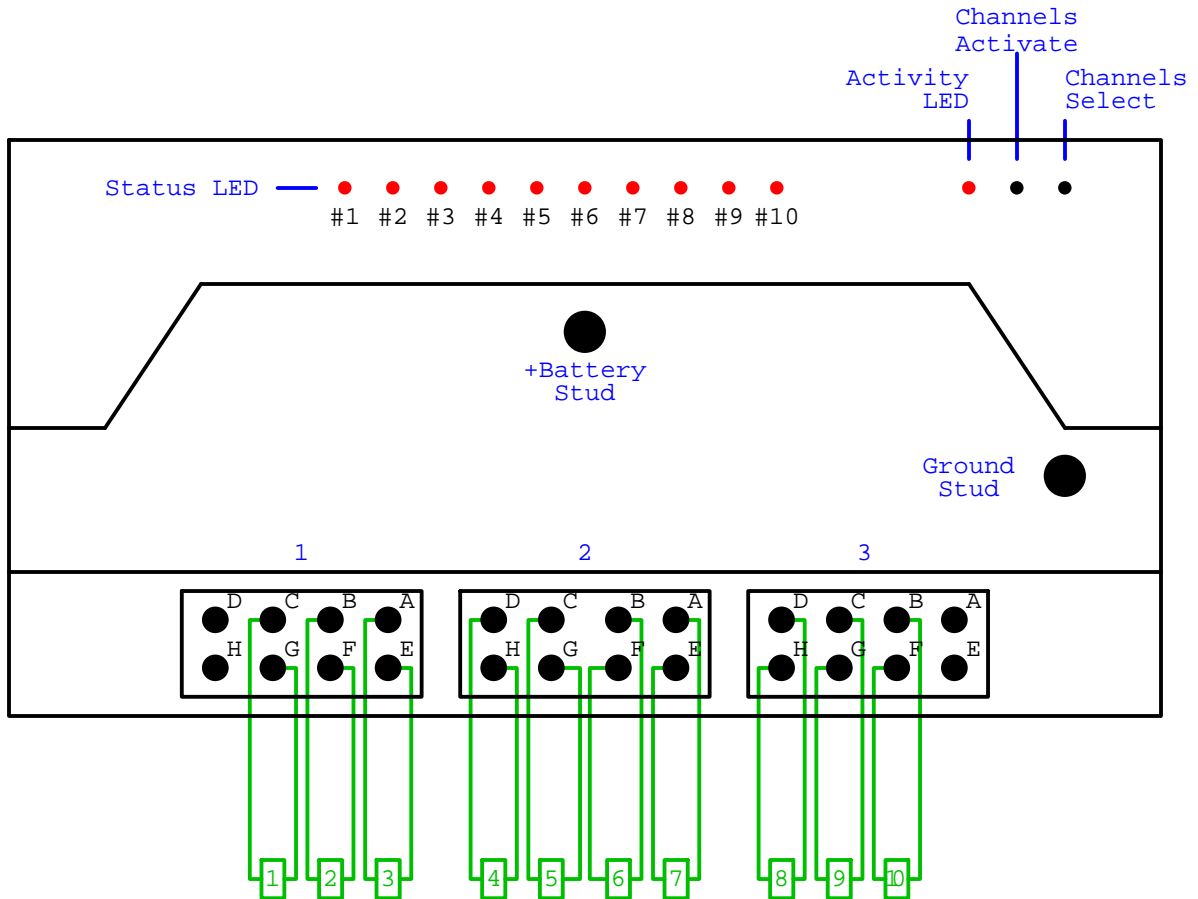


CH	CIRCUIT DESCRIPTION	AMPS	DEFAULT	O/CCT	FLT	TERMINALS
	E-PLEX DATA BUS					(1D:DATA+ / 1H:DATA-)
1:	DRV-LTS-HALLWAY	7A	NONE	NO		(1C:LOAD / 1G:RETURN)
2:	DRV-LTS-KITCHEN-CEILING-ON	7A	NONE	NO		(1B:LOAD / 1F:RETURN)
3:	DRV-LTS-SOFA	7A	NONE	NO		(1A:LOAD / 1E:RETURN)
4:	DRV-LTS-KITCHEN-OVERHEAD-ON	7A	NONE	NO		(2D:LOAD / 2H:RETURN)
5:	DRV-LTS-ENTRY-CEILING	15A	NONE	NO		(2C:LOAD / 2G:RETURN)
6:	DRV-LTS-VISTA-ON	15A	NONE	NO		(2B:LOAD / 2F:RETURN)
7:	DRV-LTS-FWDBATH-CEILING	7A	NONE	NO		(2A:LOAD / 2E:RETURN)
8:	DRV-LTS-FWDBATH-VANITY	7A	NONE	NO		(3D:LOAD / 3H:RETURN)
9:	DRV-LTS-KITCHEN-TASK	7A	NONE	NO		(3C:LOAD / 3G:RETURN)
10:	DRV-LTS-KITCHEN1-CEILING-ON	7A	NONE	NO		(3B:LOAD / 3F:RETURN)
	E-PLEX DATA BUS					(3A:DATA+ / 3E:DATA-)

# Address: 80

436MMX  
Multimodule x10

Location: BEDROOM

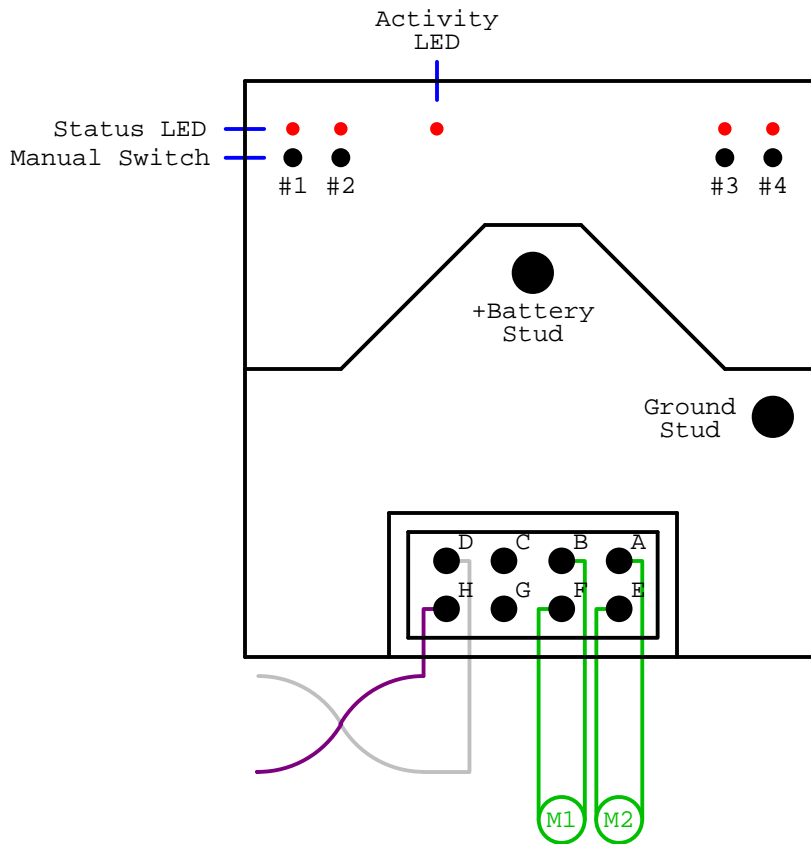


CH	CIRCUIT DESCRIPTION	AMPS	DEFAULT	O/CCT	FLT	TERMINALS
	E-PLEX DATA BUS					(1D:DATA+ / 1H:DATA-)
1:	DRV-LTS-COURTESY	7A	NONE	NO		(1C:LOAD / 1G:RETURN)
2:	DRV-LTS-BEDRM-CEILING	7A	NONE	NO		(1B:LOAD / 1F:RETURN)
3:	DRV-LTS-BEDRM-READING-ON	7A	NONE	NO		(1A:LOAD / 1E:RETURN)
4:	DRV-LTS-AFTBATH-VANITY	7A	NONE	NO		(2D:LOAD / 2H:RETURN)
5:	DRV-LTS-CARGO	15A	NONE	NO		(2C:LOAD / 2G:RETURN)
6:	DRV-LTS-CARGO	15A	NONE	NO		(2B:LOAD / 2F:RETURN)
7:	DRV-LTS-WARDROBE	7A	NONE	NO		(2A:LOAD / 2E:RETURN)
8:	DRV-LTS-AFTBATH-CEILING	7A	NONE	NO		(3D:LOAD / 3H:RETURN)
9:		7A	NONE	NO		(3C:LOAD / 3G:RETURN)
10:		7A	NONE	NO		(3B:LOAD / 3F:RETURN)
	E-PLEX DATA BUS					(3A:DATA+ / 3E:DATA-)

# Address: 102

425DRM  
Dual Reversing Module

Location:



## CH CIRCUIT DESCRIPTION

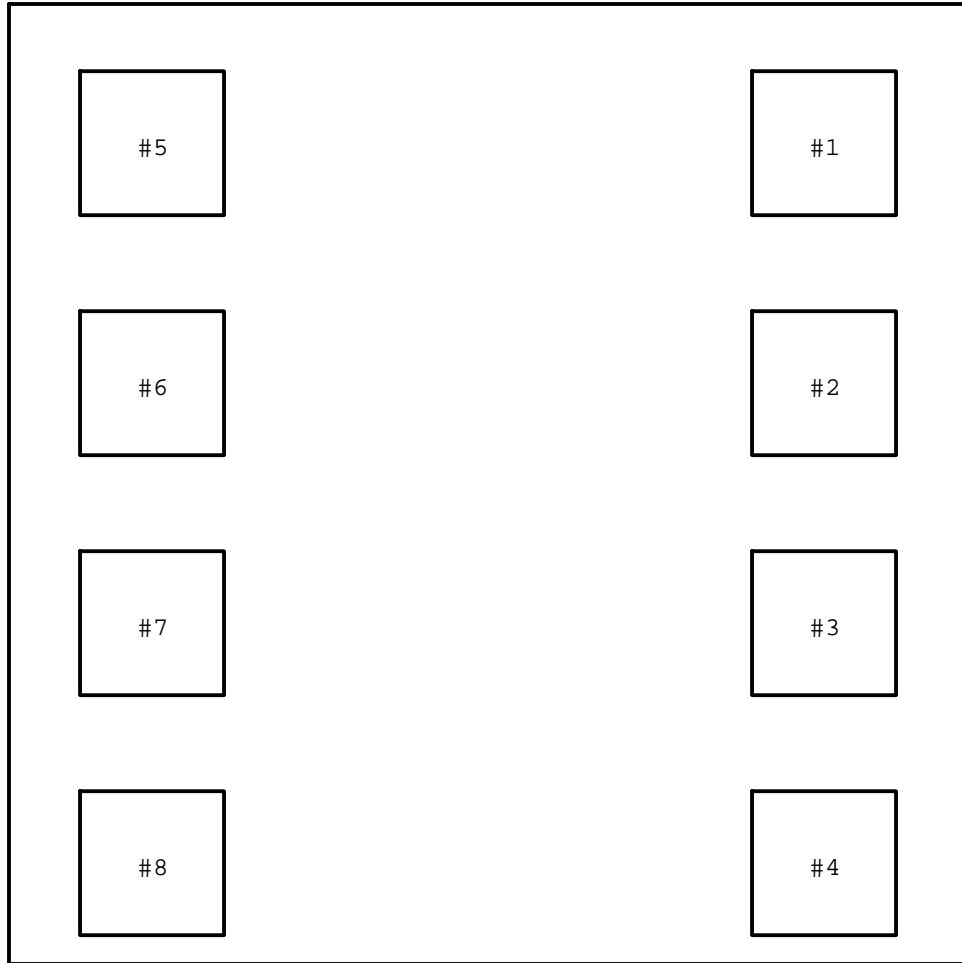
## AMPS TOGGLE O/CCT FAULT TERMINALS

	E-PLEX DATA BUS				(D:DATA+/H:DATA-)
	E-PLEX DATA BUS				(C:DATA+/G:DATA-)
1:	DRV-PWR-CHASSIS-ON	5A	NO	NO	(1B:LOAD-)
2:	DRV-PWR-CHASSIS-OFF	5A	NO	NO	(1F:LOAD+)
3:	DRV-PWR-HOUSE-ON	5A	NO	NO	(1A:LOAD-)
4:	DRV-PWR-HOUSE-OFF	5A	NO	NO	(1E:LOAD+)

# Address: 110

389DMAC  
AC Distribution Module

Location:



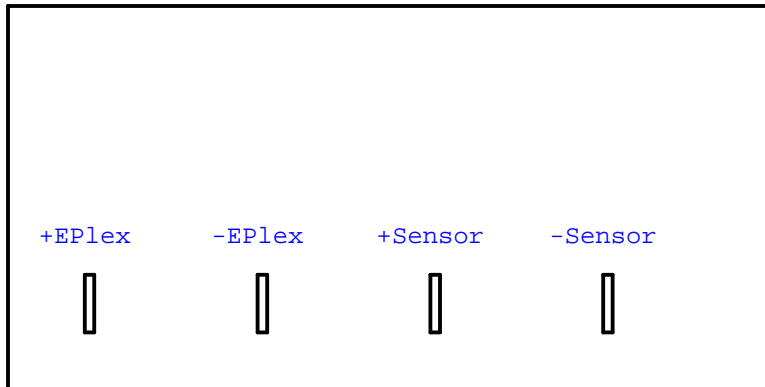
Channel #1 : DRV-AC-REAR-A/C  
Channel #2 : DRV-OASIS-ACPWR  
Channel #3 : DRV-AC-WASHER  
Channel #4 : DRV-AC-DRYER  
Channel #5 : DRV-AC-REEFER  
Channel #6 :  
Channel #7 :  
Channel #8 :

# Address: 169

319RSM

Resistive Sensor Module

Location: FRESHWATER



**Address: 179**

356DRIM

Dual Relay Input Module

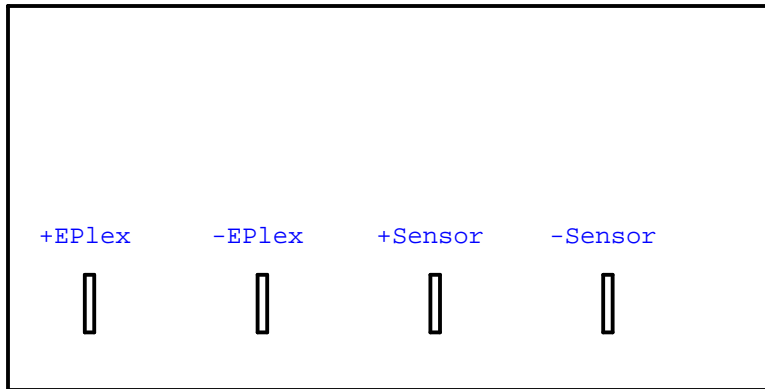
Location:



# Address: 183

319RSM  
Resistive Digital Module

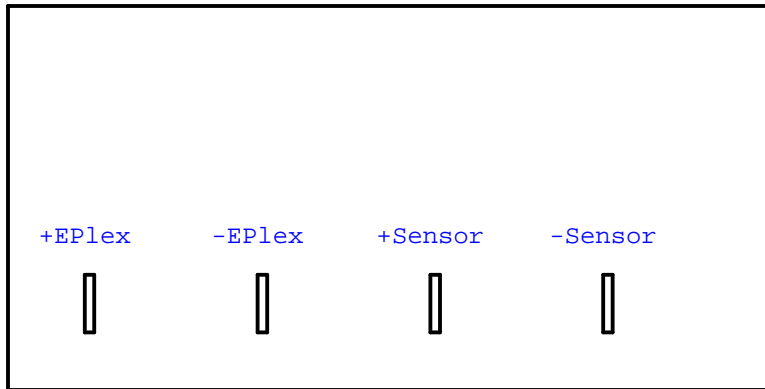
Location:



# Address: 184

319RSM  
Resistive Digital Module

Location:

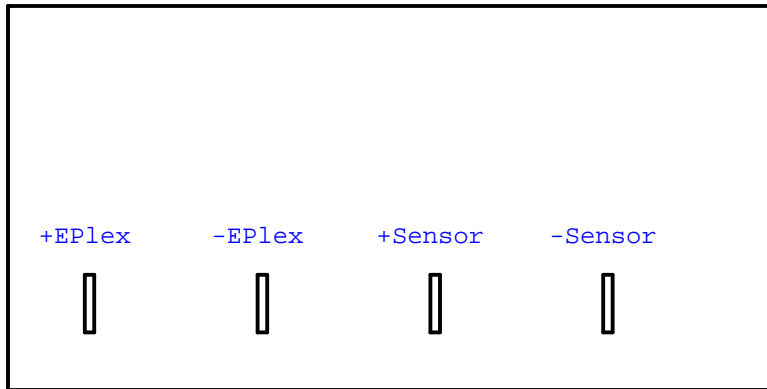


# Address: 185

319RSM

Resistive Sensor Module

Location: LP GAS

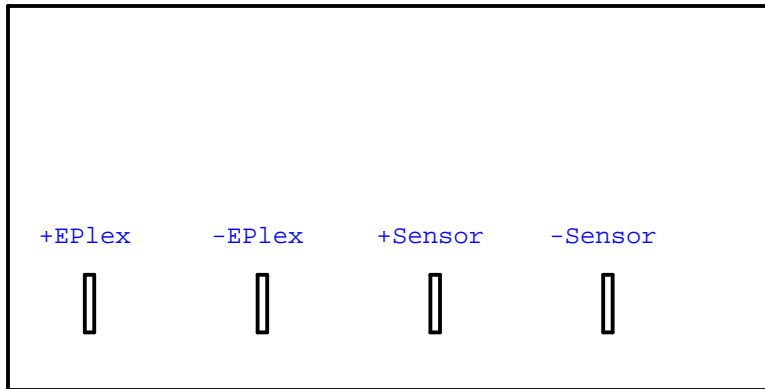


# Address: 195

319RSM

Resistive Sensor Module

Location: GREY WATER



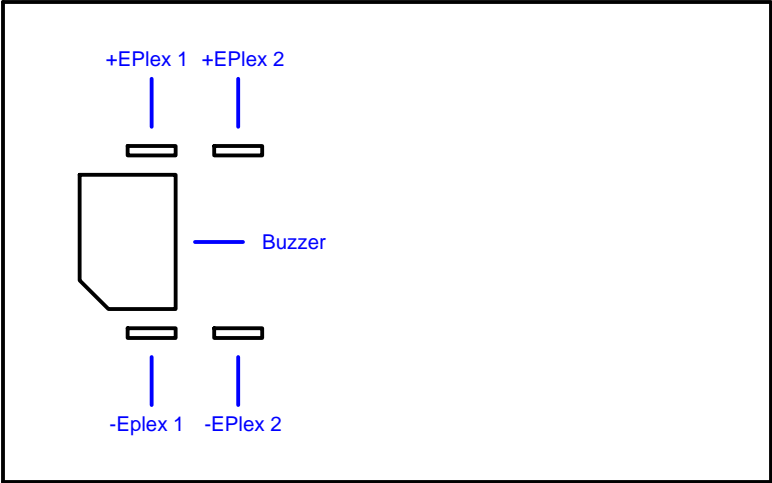
# Address: 205

367TPD

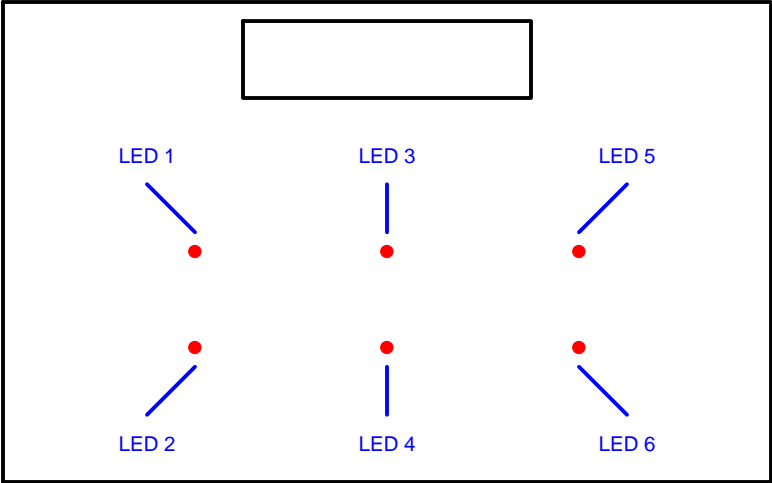
Touch Panel Display

Location: AFT BATH

Back View



Front View



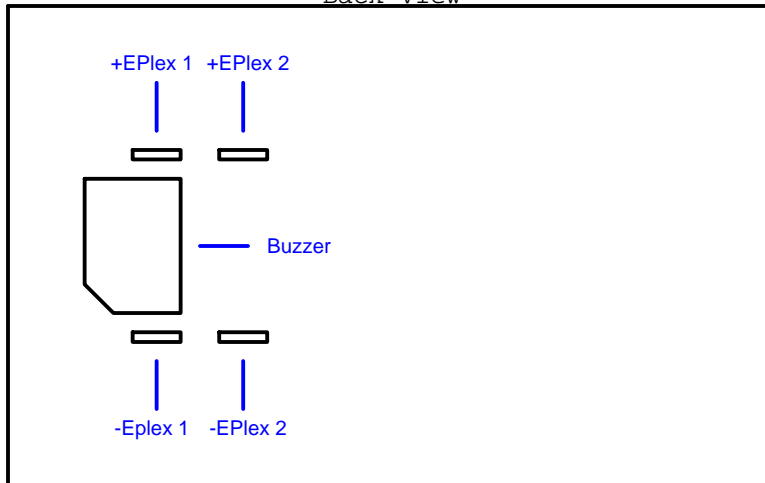
- LED 1: LED-LTS-AFTBATH-VANITY
- LED 2: LED-LTS-AFTBATH-CEILING
- LED 3: LED-AFT-BATH-FRESHWATER
- LED 4: LED-LTS-WARDROBE
- LED 5: LED-PUMP-FW
- LED 6: LED-LTS-COURTESY

# Address: 213

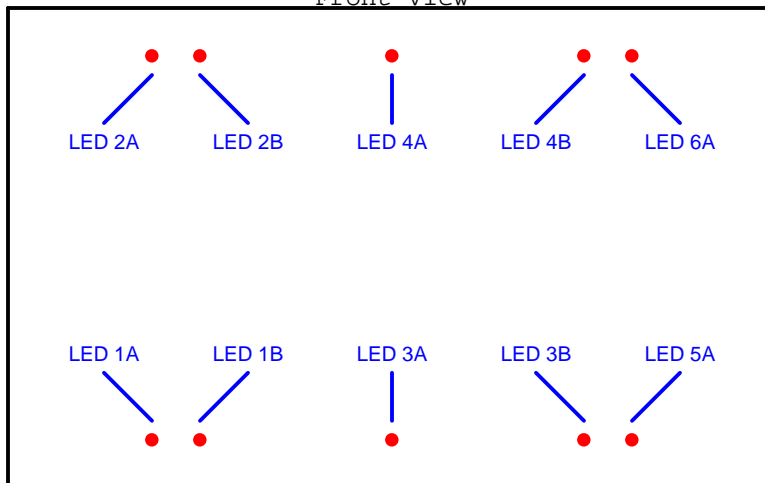
416TPS  
Touch Panel Switch

Location: BEDROOM

Back View



Front View



LED 1A: LED-LTS-COURTESY  
LED 2A: LED-LTS-BEDRM-CEILING  
LED 3A: LED-LTS-MOVIE-MODE  
LED 4A: LED-LTS-HALLWAY  
LED 5A: LED-LTS-THEATRE  
LED 6A: LED-LTS-BEDRM-READING  
LED 1B:  
LED 2B:  
LED 3B:  
LED 4B:

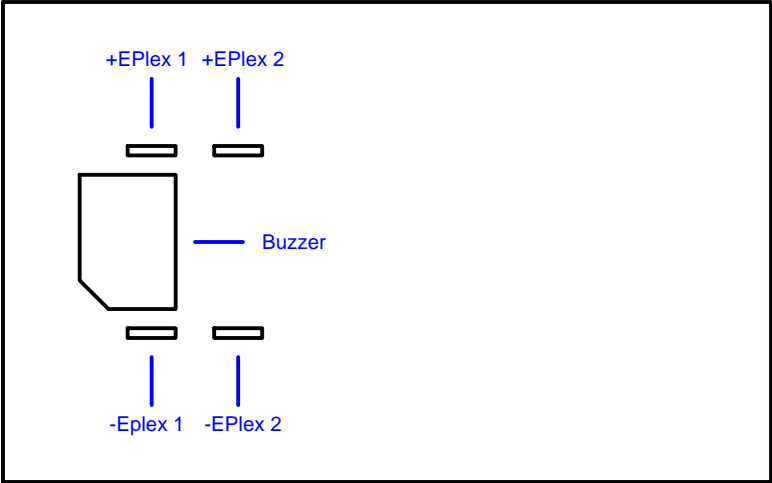
# Address: 223

367TPD

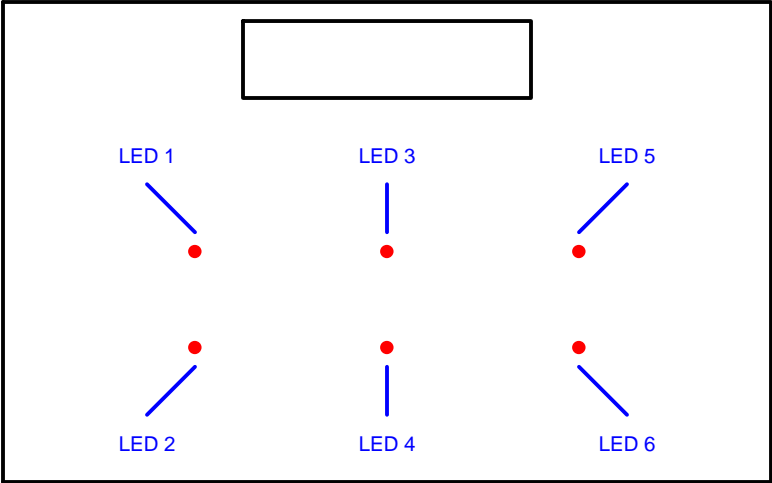
Touch Panel Display

Location: FWD BATH

Back View



Front View



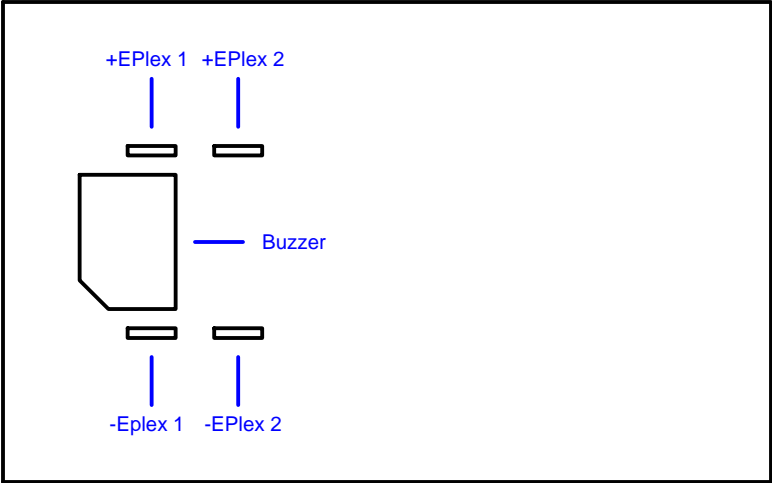
- LED 1: LED-FWD-BATH-FRESHWATER
- LED 2: LED-LTS-FWDBATH-CEILING
- LED 3: LED-FWD-BATH-BLACKWATER
- LED 4: LED-PUMP-FW
- LED 5: LED-FWD-BATH-GREYWATER
- LED 6: LED-LTS-FWDBATH-VANITY

# Address: 231

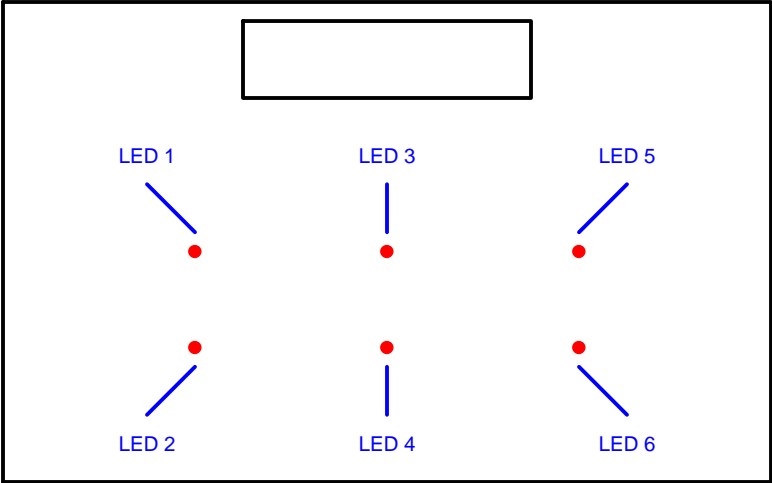
367TPD  
Touch Panel Display

Location: ENTRY

Back View



Front View



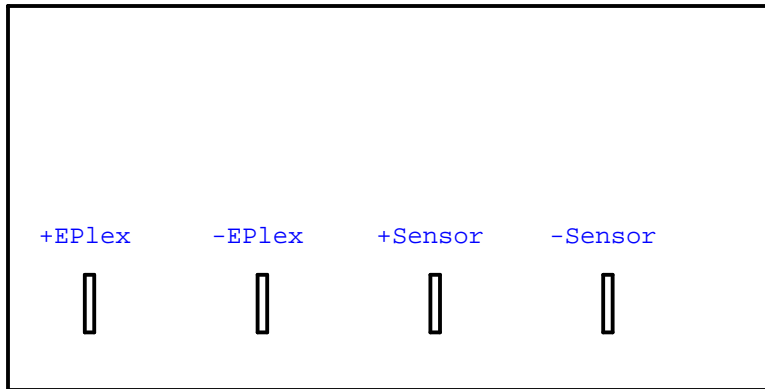
- LED 1: LED-TPS-LTS-ENTRY-CEILING
- LED 2: LED-STEP
- LED 3: LED-LTS-PATIO
- LED 4: LED-LTS-CARGO
- LED 5: LED-HOUSE-ON
- LED 6: LED-CHASSIS-ON



# Address: 239

319RSM  
Resistive Digital Module

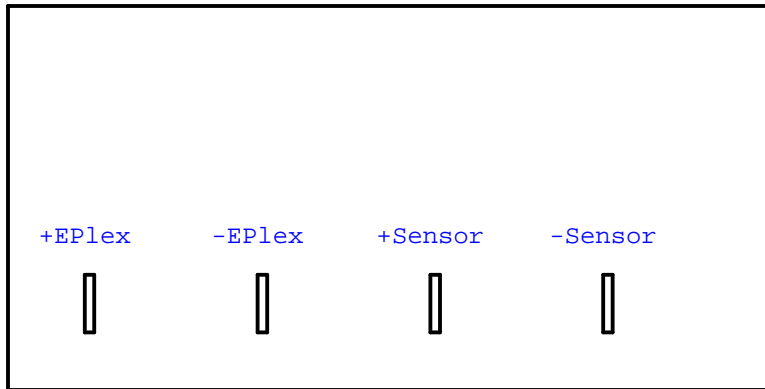
Location:



# Address: 240

319RSM  
Resistive Digital Module

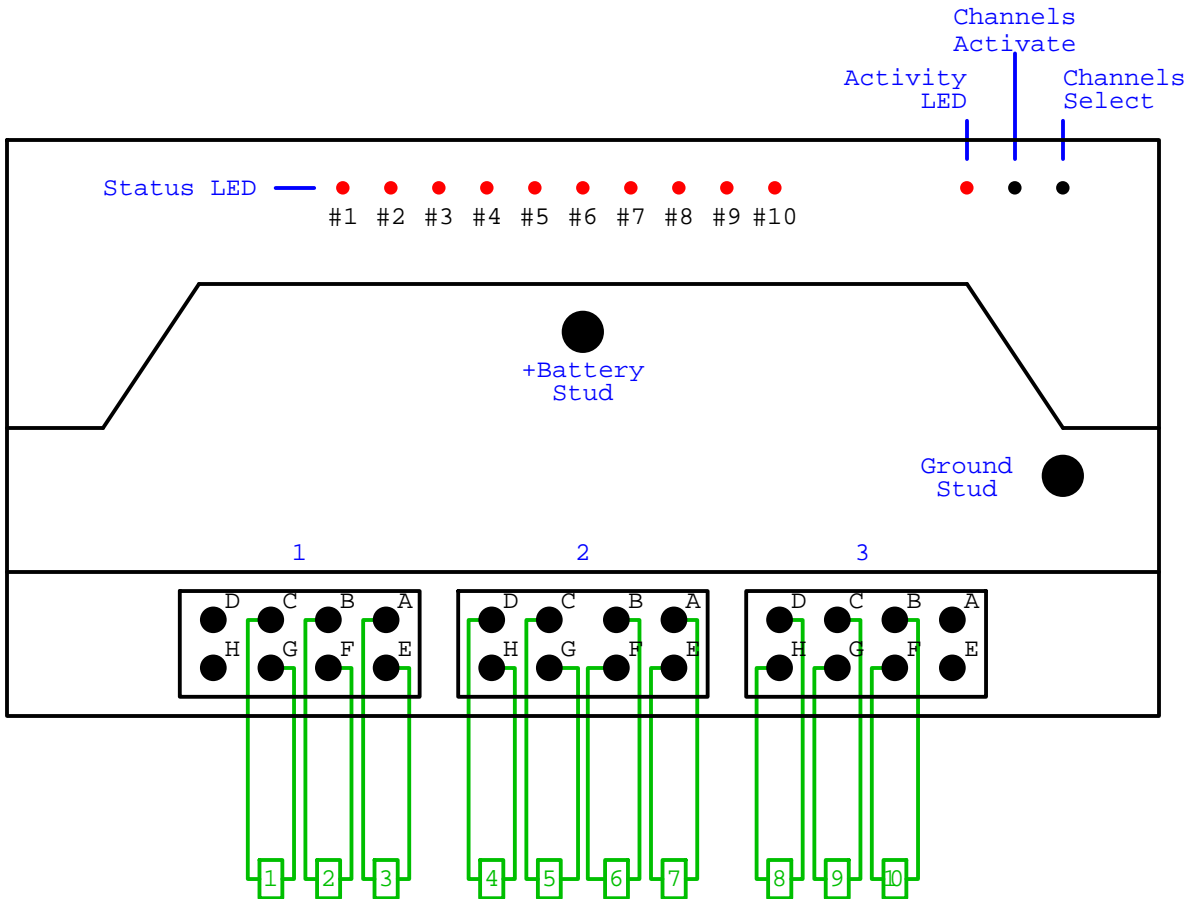
Location:



# Address: 241

436MMX  
Multimodule x10

Location: DRIVER'S SLIDEOUT



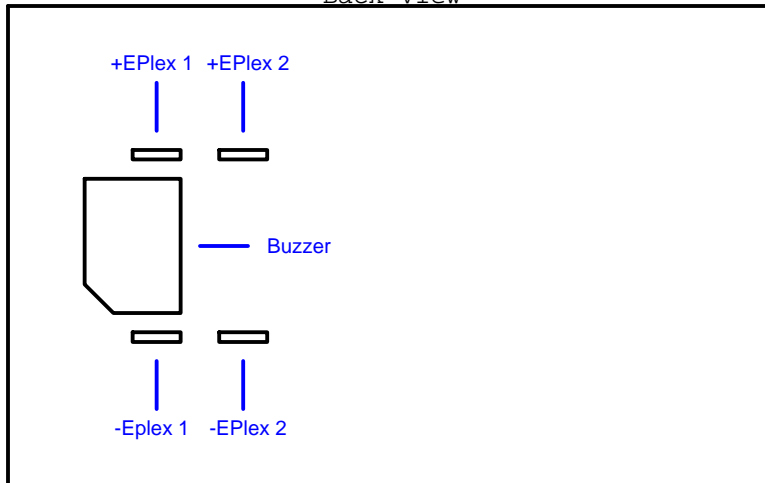
CH	CIRCUIT DESCRIPTION	AMPS	DEFAULT	O/CCT	FLT	TERMINALS
	E-PLEX DATA BUS					(1D:DATA+ / 1H:DATA-)
1:	DRV-LTS-DRV-SIDE-SCONCE-ON	7A	NONE	NO		(1C:LOAD / 1G:RETURN)
2:	DRV-DC-REFRIGERATOR	7A	NONE	NO		(1B:LOAD / 1F:RETURN)
3:	DRV-LTS-COMPUTER-ON	7A	NONE	NO		(1A:LOAD / 1E:RETURN)
4:	DRV-LP-DETECTOR	5A	NONE	NO		(2D:LOAD / 2H:RETURN)
5:	DRV-12V-SOCKET	15A	NONE	NO		(2C:LOAD / 2G:RETURN)
6:	DRV-LTS-DINETTE-ON	15A	NONE	NO		(2B:LOAD / 2F:RETURN)
7:		5A	NONE	NO		(2A:LOAD / 2E:RETURN)
8:	DRV-LTS-THEATRE-ON	5A	NONE	NO		(3D:LOAD / 3H:RETURN)
9:		7A	NONE	NO		(3C:LOAD / 3G:RETURN)
10:		7A	NONE	NO		(3B:LOAD / 3F:RETURN)
	E-PLEX DATA BUS					(3A:DATA+ / 3E:DATA-)

# Address: 263

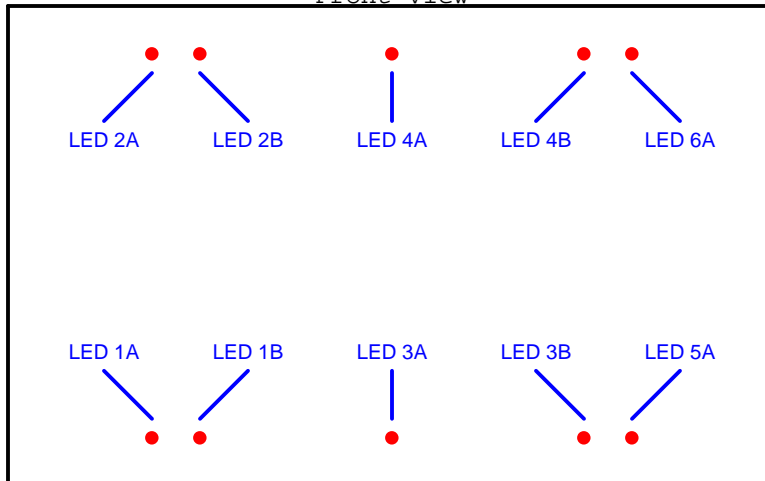
416TPS  
Touch Panel Switch

Location: computer station

Back View



Front View



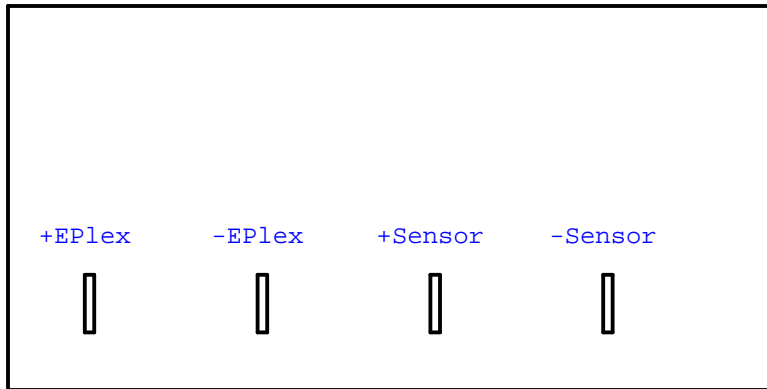
LED 1A: LED-LTS-MOOD  
LED 2A: LED-LTS-KITCHEN-CEILING  
LED 3A: LED-LTS-DRVSIDE-SCONCE  
LED 4A: LED-LTS-DINETTE  
LED 5A: LED-LTS-COMPUTER  
LED 6A: LED-LTS-VISTA  
LED 1B:  
LED 2B:  
LED 3B:  
LED 4B:

# Address: 273

319RSM

Resistive Sensor Module

Location: BLACK WATER

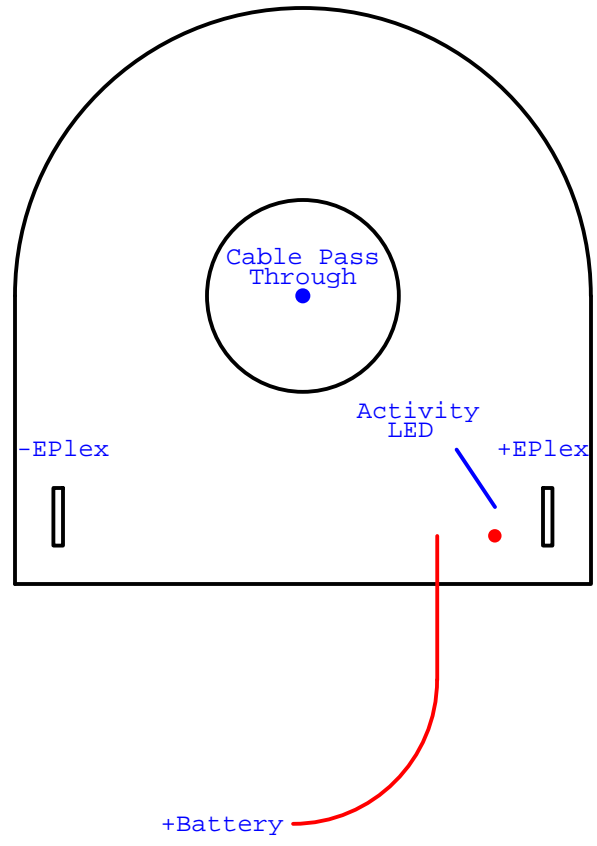


# Address: 283

331BMI

Inductive Battery Monitor

Location:



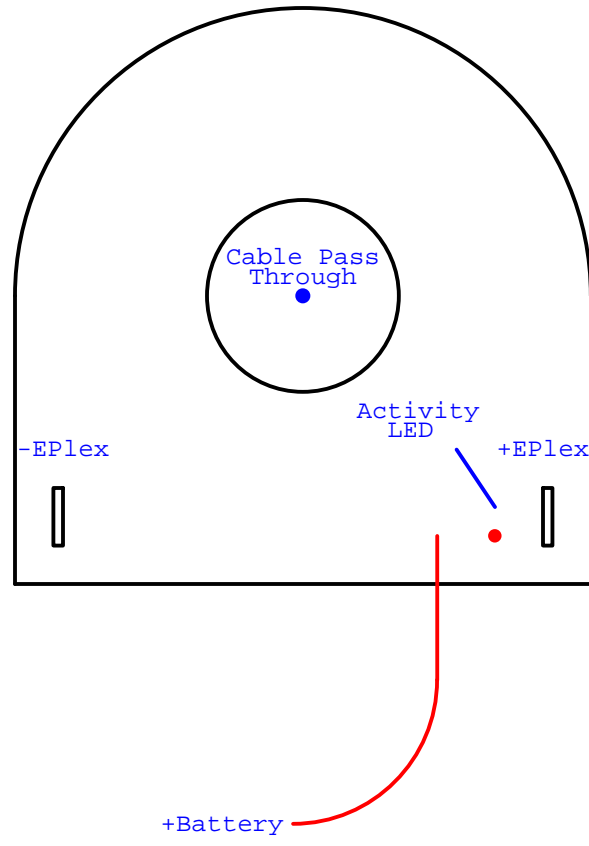
Maximum Volts: 30.0V Maximum Current: 100A

# Address: 303

331BMI

Inductive Battery Monitor

Location:

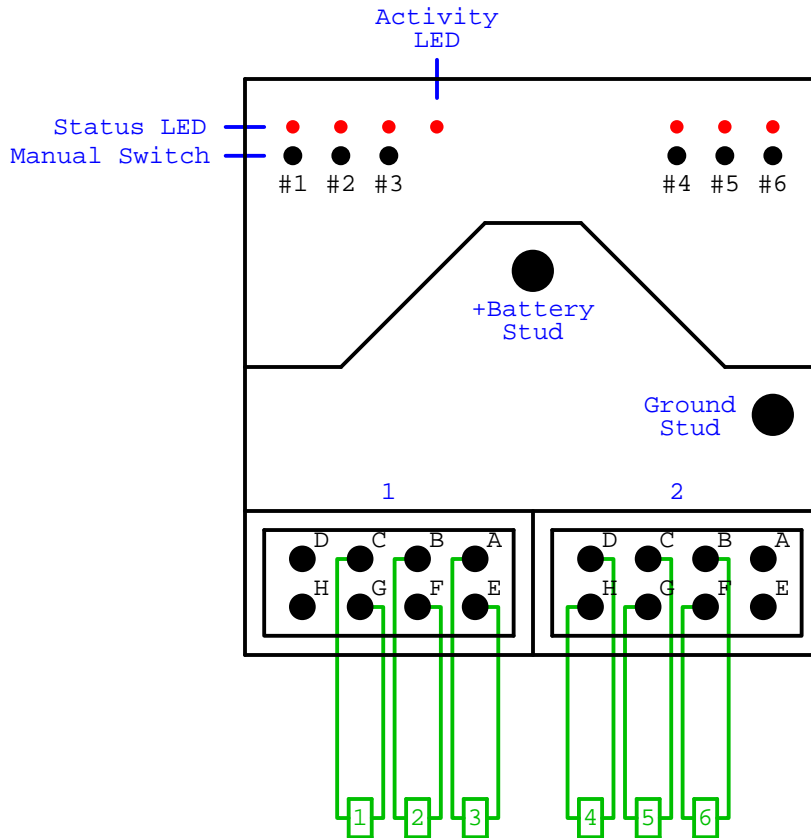


Maximum Volts: 30.0V Maximum Current: 100A

# Address: 323

366HMM  
Multimodule x6 B

Location: KITCHEN



## CH CIRCUIT DESCRIPTION

## AMPS TOGGLE O/CCT FAULT TERMINALS

CH	CIRCUIT DESCRIPTION	AMPS	TOGGLE	O/CCT	FAULT	TERMINALS
	E-PLEX DATA BUS					(1D:DATA+ / 1H:DATA-)
1:	DRV-STEP	0A	NO	NO		(1C:LOAD / 1G:RETURN)
2:	DRV-PUMP-FW	0A	NO	NO		(1B:LOAD / 1F:RETURN)
3:	DRV-LTS-PATIO	0A	NO	NO		(1A:LOAD / 1E:RETURN)
4:	DRV-LTS-MOOD	0A	NO	NO		(2D:LOAD / 2H:RETURN)
5:	DRV-OASIS-12V	0A	NO	NO		(2C:LOAD / 2G:RETURN)
6:	DRV-DC-FANTASTIC-FAN	0A	NO	NO		(2B:LOAD / 2F:RETURN)
	E-PLEX DATA BUS					(2A:DATA+ / 2E:DATA-)

Load return connections are optional. Load returns can be connected directly to a ground bus bar. Status LED's will light when a channel is on.

A blinking status LED indicates a fault has occurred. To reset the fault, turn the channel off for 10 seconds and then turn it back on.

Manual mode buttons will become enabled if the module cannot talk to the E-Plex Control Module.

Battery stud and ground stud connections must be made for the module to operate.

Sum of total current for all channels should not exceed 50A while operating.

Output channels can be tied together in parallel for loads that exceed 15A.



**Address: 341**

356DRIM

Dual Relay Input Module

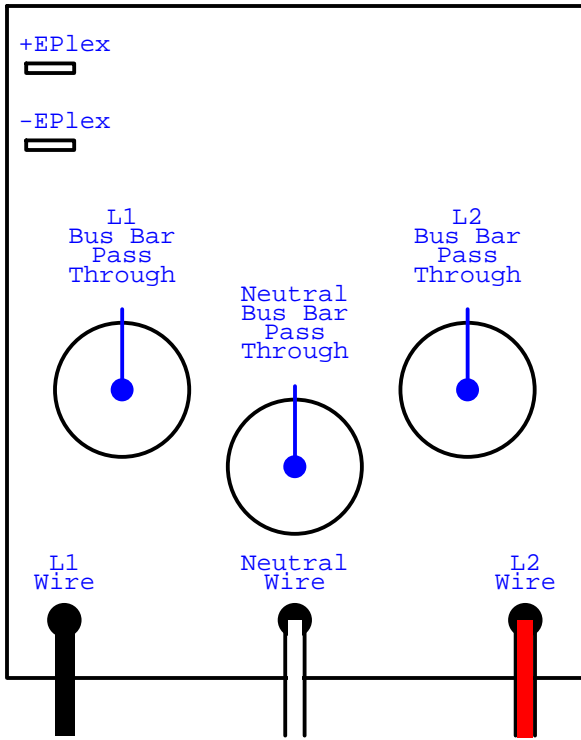
Location: Oasis Remote Control #1

# Address: 345

336PFM

Power Frequency Monitor

Location:



L1 (Black), NEUTRAL (White), and L2 (Red) wires must be electrically connected to read voltages.  
L1 and L2 bus bars/cables must pass through openings to read current.  
Neutral bus bar pass through is optional.  
Maximum Volts: 250V    Maximum Current: 100A

**Address: 396**

356DRIM

Dual Relay Input Module

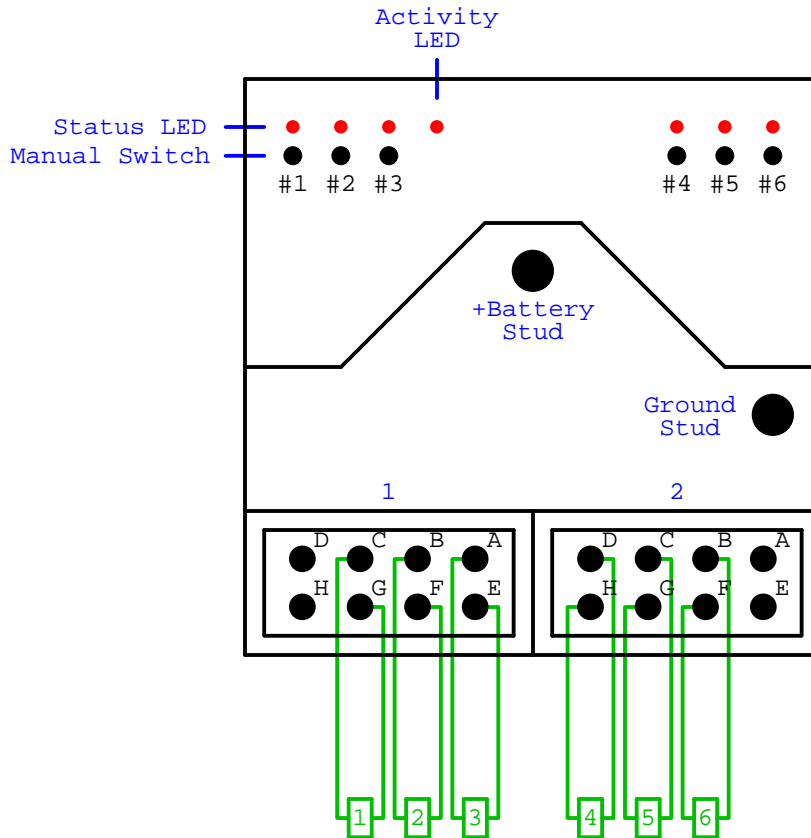
Location: Oasis Remote Control #2

# Address: 400

366HMM  
Multimodule x6 B

Location: BED LIFT

Description:



## CH CIRCUIT DESCRIPTION

## AMPS TOGGLE O/CCT FAULT TERMINALS

CH	CIRCUIT DESCRIPTION	AMPS	TOGGLE	O/CCT	FAULT	TERMINALS
	E-PLEX DATA BUS					(1D:DATA+ / 1H:DATA-)
1:	DRV-BEDLIFT-UP	0A	NO	NO		(1C:LOAD / 1G:RETURN)
2:	DRV-BEDLIFT-DOWN	0A	NO	NO		(1B:LOAD / 1F:RETURN)
3:		0A	NO	NO		(1A:LOAD / 1E:RETURN)
4:		0A	NO	NO		(2D:LOAD / 2H:RETURN)
5:	DRV-BEDRM-SLIDEOUT	0A	NO	NO		(2C:LOAD / 2G:RETURN)
6:	DRV-BEDRM-SLIDEIN	0A	NO	NO		(2B:LOAD / 2F:RETURN)
	E-PLEX DATA BUS					(2A:DATA+ / 2E:DATA-)

Load return connections are optional. Load returns can be connected directly to a ground bus bar. Status LED's will light when a channel is on.

A blinking status LED indicates a fault has occurred. To reset the fault, turn the channel off for 10 seconds and then turn it back on.

Manual mode buttons will become enabled if the module cannot talk to the E-Plex Control Module.

Battery stud and ground stud connections must be made for the module to operate.

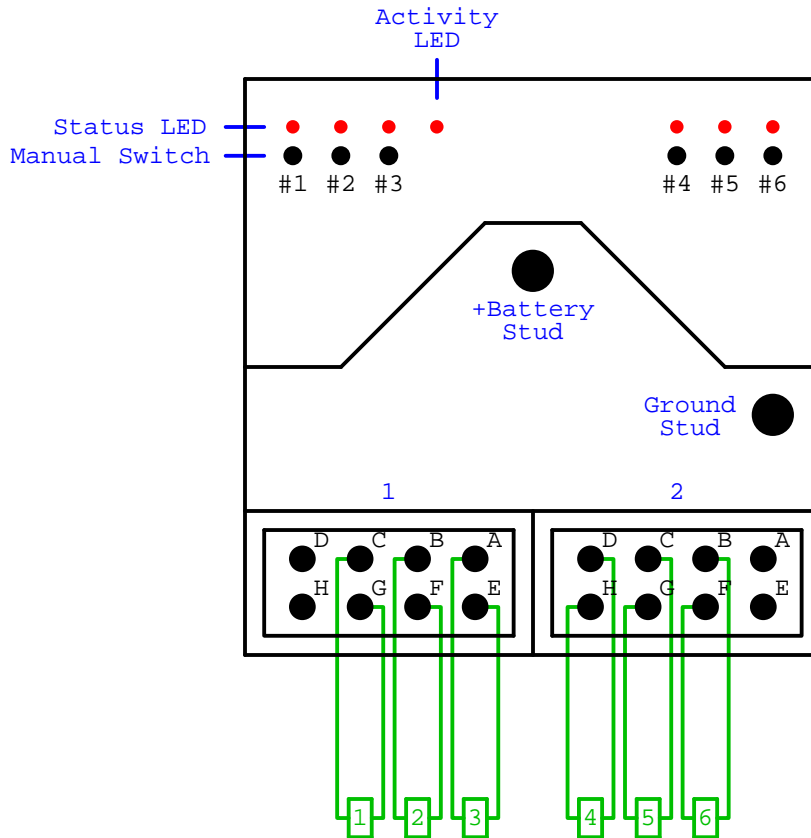
Sum of total current for all channels should not exceed 50A while operating.

Output channels can be tied together in parallel for loads that exceed 15A.

# Address: 418

366HMM  
Multimodule x6 B

Location: DRVS SLIDEOUT



## CH CIRCUIT DESCRIPTION

## AMPS TOGGLE O/CCT FAULT TERMINALS

CH	CIRCUIT DESCRIPTION	AMPS	TOGGLE	O/CCT	FAULT	TERMINALS
	E-PLEX DATA BUS					(1D:DATA+ / 1H:DATA-)
1:		0A	NO		NO	(1C:LOAD / 1G:RETURN)
2:	DRV-DRVS-SLIDEOUT	0A	NO		NO	(1B:LOAD / 1F:RETURN)
3:		0A	NO		NO	(1A:LOAD / 1E:RETURN)
4:		0A	NO		NO	(2D:LOAD / 2H:RETURN)
5:	DRV-DRVS-SLIDEIN	0A	NO		NO	(2C:LOAD / 2G:RETURN)
6:		0A	NO		NO	(2B:LOAD / 2F:RETURN)
	E-PLEX DATA BUS					(2A:DATA+ / 2E:DATA-)

Load return connections are optional. Load returns can be connected directly to a ground bus bar. Status LED's will light when a channel is on.

A blinking status LED indicates a fault has occurred. To reset the fault, turn the channel off for 10 seconds and then turn it back on.

Manual mode buttons will become enabled if the module cannot talk to the E-Plex Control Module.

Battery stud and ground stud connections must be made for the module to operate.

Sum of total current for all channels should not exceed 50A while operating.

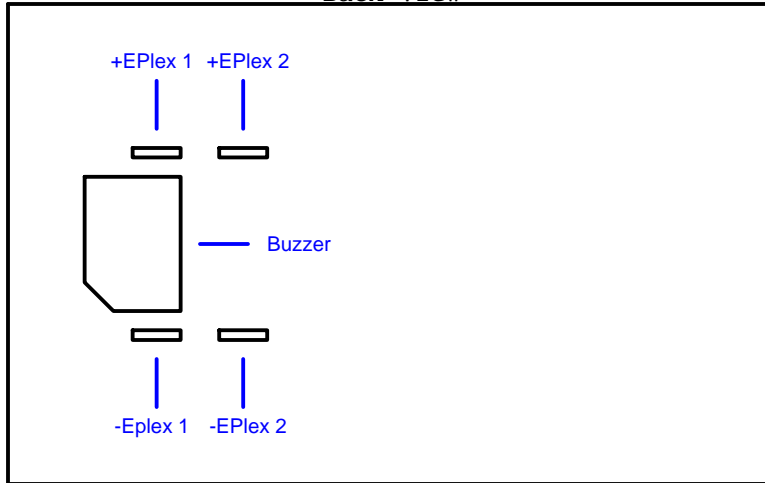
Output channels can be tied together in parallel for loads that exceed 15A.

# Address: 436

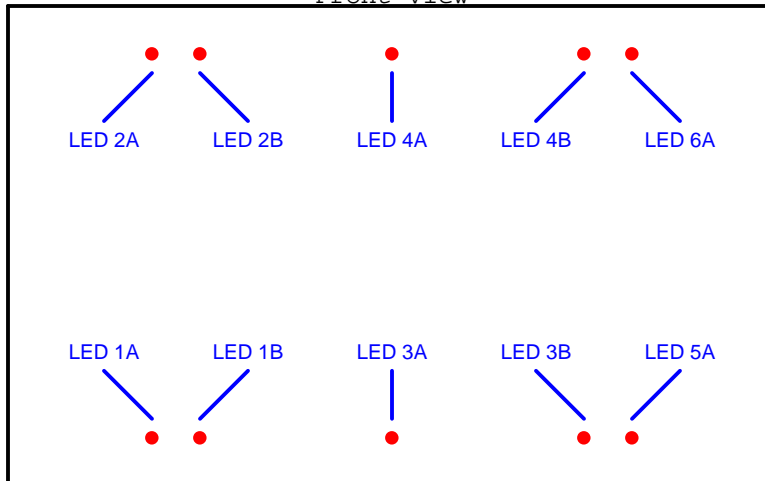
416TPS  
Touch Panel Switch

Location:

Back View



Front View



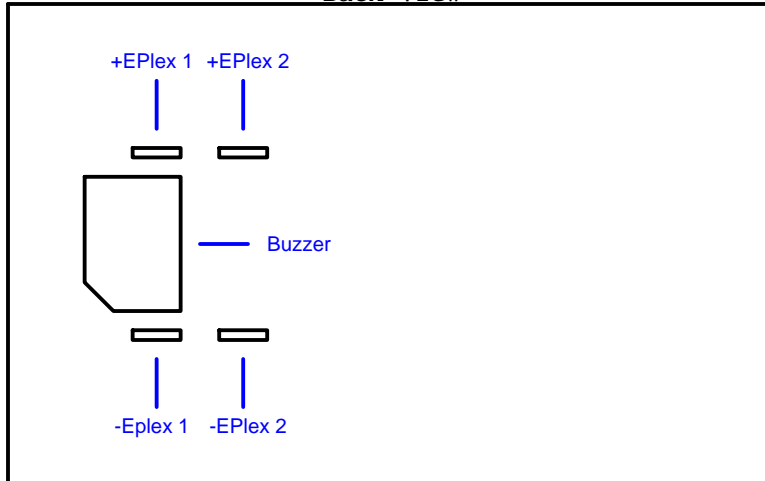
- LED 1A: LED-BEDRM-SLIDEOUT
- LED 2A: LED-BEDRM-SLIDEIN
- LED 3A: LED-BEDLIFT-UP
- LED 4A: LED-BEDLIFT-DOWN
- LED 5A:
- LED 6A:
- LED 1B:
- LED 2B:
- LED 3B:
- LED 4B:

# Address: 446

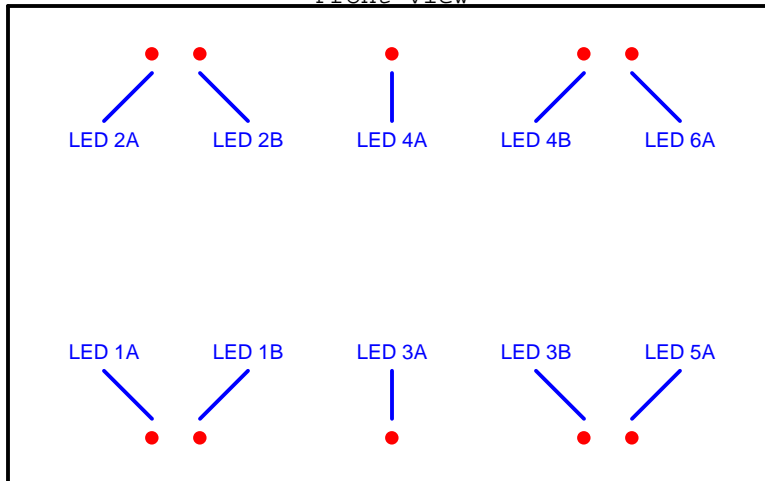
416TPS  
Touch Panel Switch

Location:

Back View



Front View



- LED 1A: LED-DRVS-SLIDEOUT
- LED 2A: LED-DRVS-SLIDEIN
- LED 3A:
- LED 4A:
- LED 5A:
- LED 6A:
- LED 1B:
- LED 2B:
- LED 3B:
- LED 4B:

# Address: 456

319RSM  
Resistive Digital Module

Location:

